

What is claimed is:

1. An antenna, comprising:

a ground pattern; and

5 a planar element that has a feed point and a cut-out portion formed at an edge portion being opposite to the ground pattern side of said planar element, and

wherein said ground pattern and said planar element are juxtaposed with each other extending along counter directions  
10 respectively.

2. The antenna as set forth in claim 1, wherein said planar element is disposed so that said edge portion other than said cut-out portion of said planar element is opposite to said ground pattern.

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3. The antenna as set forth in claim 1, wherein said ground pattern is formed without fully surrounding said edge portion of said planar element.

20 4. The antenna as set forth in claim 1, wherein said cut-out portion has a rectangular shape.

5. The antenna as set forth in claim 1, wherein said cut-out portion is formed symmetrically with respect to a line passing through said  
25 feed point.

6. The antenna as set forth in claim 1, wherein said planar element has such a shape that a bottom side thereof is adjacent to the ground pattern, lateral sides thereof is provided vertically or substantially  
30 vertically to said bottom side and said cut-out portion is provided in a top side thereof.

7. The antenna as set forth in claim 6, wherein both corners of said bottom side are splayed.

8. The antenna as set forth in claim 1, wherein at least one of said  
5 planar element and said ground pattern has a portion that causes to continuously vary a distance therebetween.

9. The antenna as set forth in claim 1, wherein at least a part of said edge portion is curved.

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10. The antenna as set forth in claim 1, wherein said planar element is formed on a dielectric substrate.

11. An antenna dielectric substrate, comprising:

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a layer formed of a dielectric material; and

a layer containing a conductor having a cut-out portion formed from an edge portion nearest to a first side surface of said antenna dielectric substrate toward a second side surface opposite to said first side surface.

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12. The antenna dielectric substrate as set forth in claim 11, wherein said cut-out portion has a rectangular shape.

13. The antenna dielectric substrate as set forth in claim 11, wherein  
25 said cut-out portion is formed symmetrically with respect to a line passing through a feed point of said conductor.

14. The antenna dielectric substrate as set forth in claim 11, wherein said conductor has such a shape that a side thereof nearest to said  
30 second side surface is a bottom side, lateral sides thereof are provided vertically or substantially vertically to said bottom side and said cut-out portion is provided in a top side nearest to said

first side surface.

15. The antenna dielectric substrate as set forth in claim 14, wherein both corners of said bottom side are splayed.

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16. The antenna dielectric substrate as set forth in claim 11, wherein an edge portion of said conductor, which is nearest to said second side surface, has a portion that continuously varies a distance with said second side surface.

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